

REC'D PCT/PTO 14 APR 2008

Substitute for Form PTO-1230 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 1004501-000841
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/575852
INTERNATIONAL APPLICATION NO. PCT/CH2003/00768	INTERNATIONAL FILING DATE 20 November 2003 (20-11-2003)	PRIORITY DATE CLAIMED 17 October 2003 (17-10-2003)
TITLE OF INVENTION CONVERTER CIRCUIT FOR SWITCHING A LARGE NUMBER OF SWTICHING VOLTAGE LEVELS		
APPLICANT(S) FOR DO/EO/US BARBOSA, Peter; STEINKE, Jürgen; STEIMER, Peter; MEYSENC, Luc; MEYNARD, Thierry		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission to items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> Is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))</p> <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 21 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>14. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the International application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: <u>General Authorization Form for Petition for Extension of Time and Payment of Fees; Application Data Sheet; International Search Report; Marked-up specification and substitute specification</u> <hr/> <hr/> <hr/> </p>		

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<p>21. <input checked="" type="checkbox"/> Applicant(s) requests that the published application include the following assignment information: <u>ABB Research Ltd. Zürich, Switzerland</u></p> <hr/> <hr/> <hr/> <hr/>		CALCULATIONS PTO USE ONLY																																																																																																																																															
<p>22. <input checked="" type="checkbox"/> The following fees are submitted:</p> <table border="1"> <tr> <td>Basic Filing Fee (1631)</td> <td>\$ 300.00</td> </tr> <tr> <td colspan="2">Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> <td>\$</td> </tr> <tr> <td>Total Claims</td> <td>21</td> <td>-20 =</td> <td>1</td> <td>× \$50.00 (1615)</td> <td>\$ 50.00</td> </tr> <tr> <td>Independent Claims</td> <td>1</td> <td>- 3 =</td> <td>0</td> <td>× \$200.00 (1614)</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="2">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td></td> <td>+</td> <td>\$360.00 (1616)</td> <td>\$ 0.00</td> </tr> <tr> <td colspan="2">Examination Fee</td> <td></td> <td>+</td> <td>\$200.00 (1633)</td> <td>\$ 200.00</td> </tr> <tr> <td colspan="2">Search Fee</td> <td></td> <td>+</td> <td>\$400.00 (1632)</td> <td>\$ 400.00</td> </tr> <tr> <td colspan="2">App. Size Fee (add \$250.00 for each add'l 50 sheets exceeding 100 sheets)</td> <td></td> <td></td> <td>\$ 0.00</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>TOTAL OF ABOVE CALCULATIONS =</td> <td>\$ 850.00</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</td> <td></td> <td></td> <td>\$ 0.00</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>SUBTOTAL =</td> <td>\$ 950.00</td> </tr> <tr> <td colspan="2">Processing fee of \$130.00 (1618) for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492(f)).</td> <td></td> <td></td> <td>\$ 0.00</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>TOTAL NATIONAL FEE =</td> <td>\$ 950.00</td> </tr> <tr> <td colspan="2">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +</td> <td></td> <td></td> <td>\$ 40.00</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>TOTAL FEES ENCLOSED =</td> <td>\$ 990.00</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>Amount to be refunded :</td> <td></td> </tr> <tr> <td colspan="2"></td> <td></td> <td>charged :</td> <td></td> </tr> <tr> <td>a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>02-4800</u> in the amount of _____ to cover the above fees. 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Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620 </td> </tr> <tr> <td colspan="2"></td> <td>SIGNATURE</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td></td> <td>Patrick C. Keane</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>NAME</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td>32,858</td> <td>April 14, 2006</td> <td></td> </tr> <tr> <td colspan="2"></td> <td>REGISTRATION NO.</td> <td>DATE</td> <td></td> </tr> </table>		Basic Filing Fee (1631)	\$ 300.00	Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).		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